

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-45 (Cancelled)

Claim 46 (Currently amended): A method for a server of a wireless network for registering to register a user equipment (UE) accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the method comprising:

establishing an anonymous communication session, using a tunneling communications protocol, with the UE via an Integrated Network Controller (INC) in response to authentication of receiving, via an anonymous communication session with the user equipment, a temporary ID and a temporary password identifying the user equipment as unregistered;

obtaining authentication of the temporary ID and the temporary password;

transmitting to the UE ~~user equipment~~, via the anonymous communication session with the UE ~~user equipment~~, a reply message comprising a request for registration information; and

receiving, from the UE ~~user equipment~~, in response to the request for registration information, a permanent ID and a permanent password.

Claim 47 (Currently amended): The method of claim 46 ~~in which~~ wherein the requested registration information further comprises indicia of a preferred service provider, and receiving, from the UE, in response to the request for registration information, includes receiving the indicia of a preferred service provider from the user equipment.

Claim 48 (Currently amended): The method of claim 46 ~~in which~~ wherein the requested registration information further comprises indicia of a requested type of service, and receiving includes receiving the indicia of a requested type of service from the user equipment.

Claim 49 (Currently amended): The method of claim 46 ~~in which~~ wherein the requested registration information further comprises a preferred user name.

Claim 50 (Currently amended): The method of claim 46, ~~in which~~ wherein the reply message further comprises at least one protocol filter to restrict an access to the wireless network by the user equipment.

Claim 51 (Currently amended): The method of claim 46 ~~in which~~ wherein the reply message further comprises at least one designation for an Internet service provider that the user equipment may access via the wireless network.

Claim 52 (Currently amended): The method of claim 46 ~~in which~~ wherein the reply message further comprises registration web page information.

Claim 53 (Currently amended): The method of claim 46 ~~in which~~ wherein the reply message further comprises at least one registration software program for execution by the user equipment.

Claim 54-55 (Cancelled)

Claim 56 (Currently amended): A method for a user equipment (UE) for registering to register with a server of a wireless network for accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, comprising:

~~transmitting, via an anonymous communication session with the server,~~ a temporary ID and a temporary password identifying the user equipment as unregistered for authentication with the server;

receiving, at the (UE) user equipment, via an [[the]] anonymous communication session with the server via an Integrated Network Controller (INC), a reply message comprising a request for registration information, the requested registration information comprising a permanent ID and a permanent password, wherein the anonymous communication session is established using a tunneling communications protocol with the INC; and

transmitting, from the (UE) ~~user equipment~~, the requested registration information via the anonymous communication session with the server.

Claim 57 (Currently amended): The method of claim 56 wherein ~~in which~~ the requested registration information further comprises indicia of a preferred service provider.

Claim 58 (Currently amended): The method of claim 56 wherein ~~in which~~ the requested registration information further comprises indicia of a requested type of service.

Claim 59 (Currently amended): The method of claim 56 wherein ~~in which~~ the requested registration information further comprises a preferred user name.

Claim 60 (Currently amended): The method of claim 56 wherein ~~in which~~ the reply message further comprises at least one protocol filter to restrict an access to the wireless network by the user equipment.

Claim 61 (Currently amended): The method of claim 56 wherein ~~in which~~ the reply message further comprises at least one Internet service provider designation to which the user equipment has access via the wireless network.

Claim 62 (Currently amended): The method of claim 56 wherein ~~in which~~ the reply message further comprises registration web page information.

Claim 63 (Currently amended): The method of claim 56 wherein ~~in which~~ the reply message further comprises at least one registration software program for execution by the user equipment.

Claim 64-65 (Cancelled)

Claim 66 (Currently amended): A computer-readable medium ~~Computer-readable media~~ comprising ~~computer-executable instructions~~ operable for a method ~~for a method~~ for a server of a wireless

network to register a user equipment (UE) accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the instructions for method comprising:

establishing an anonymous communication session, using a tunneling communications protocol, with the UE via an Integrated Network Controller (INC) in response to authentication of receiving, via an anonymous communication session with the user equipment, a temporary ID and a temporary password identifying the user equipment as unregistered;

obtaining authentication of the temporary ID and the temporary password;

transmitting to the UE user equipment, via the anonymous communication session with the UE user equipment, a reply message comprising a request for registration information; and

receiving, from the UE user equipment, in response to the request for registration information, a permanent ID and a permanent password.

Claim 67 (Currently amended): A computer-readable medium Computer-readable media comprising computer-executable instructions for a method for a user equipment to register with a server of a wireless network to access the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the instructions for comprising:

transmitting, via an anonymous communication session with the server, a temporary ID and a temporary password identifying the user equipment as unregistered for authentication with the server;

receiving, at the (UE) user equipment, via an [[the]] anonymous communication session with the server via an Integrated Network Controller (INC), a reply message comprising a request for registration information, the requested registration information comprising a permanent ID and a permanent password, wherein the anonymous communication session is established using a tunneling communications protocol with the INC ; and

transmitting, from the (UE) user equipment, the requested registration information via the anonymous communication session with the server.

Claim 68 (New): The method of claim 46, wherein the INC comprises a Serving GPRS Support Node (SGSN), a tunneling protocol access concentrator, a Radio Network Controller (RNC), and a RADIUS client.

Claim 69 (New): A computer readable medium comprising instructions operable for an Integrated Network Controller (INC) for registering a User Equipment (UE) with a server of a wireless network to access the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the instructions for:

- transmitting a temporary ID and a temporary password from a UE to the server;
- obtaining authentication from the server of the temporary ID and the temporary password for identifying the UE as unregistered;
- establishing an anonymous communication session, using a tunneling communications protocol, with the UE in response to the authentication from the server;
- relaying to the UE, via the anonymous communication session, a reply message comprising a request for registration information from the server; and
- relaying to the server, a permanent ID and a permanent password from the UE in response to the request for registration information.

Claim 70 (New): The computer readable medium of claim 69, wherein the INC comprises a Serving GPRS Support Node (SGSN), a tunneling protocol access concentrator, a Radio Network Controller (RNC), and a RADIUS client.

Claim 71 (New): An Integrated Network Controller (INC), for registering a User Equipment (UE) with a server of a wireless network for accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, comprising:

- a Radio Network Controller (RNC) for transmitting a temporary ID and a temporary password from a UE to the server;
- a Serving GPRS Support Node (SGSN) for establishing an anonymous communication session, using a tunneling communications protocol, with the UE in response to authentication from the server of the temporary ID and the temporary password for identifying the UE as unregistered;

a tunneling protocol access concentrator for relaying to the UE, via the anonymous communication session, a reply message comprising a request for registration information from the server, and for relaying to the server, a permanent ID and a permanent password from the UE in response to the request for registration information.

Claim 72 (New): The INC of claim 71, wherein the tunneling protocol access concentrator is a Layer 2 tunneling protocol access concentrator, and the anonymous communication session is a Layer 2 protocol link.